

**EDI 214 ANSI X12 Version 4010
Transportation Carrier Shipment Status Message**

Functional Group=**QM**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Transportation Carrier Shipment Status Message Transaction Set (214) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by a transportation carrier to provide shippers, consignees, and their agents with the status of shipments in terms of dates, times, locations, route, identifying numbers, and conveyance.

Segments:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Used
	GS	Functional Group Header	M	1			Used

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1			Must use
030	L11	Business Instructions and Reference Number	O	300			Used

LOOP ID - 0100

10

050	N1	Name	M	1			Used
100	G62	Date/Time	M	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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LOOP ID - 0200

9999

130	LX	Assigned Number	M	1			Used
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LOOP ID - 0205

10

140	AT7	Shipment Status Details	M	1			Used
150	L11	Business Instructions and Reference Number	O	10			Used
160	Q7	Lading Exception code	O	10			Used
200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used

LOOP ID - 0210

9999

210	CD3	Carton (Package) Detail	O	1			Used
220	L11	Business Instructions and Reference Number	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
020	SE	Transaction Set Trailer	M	1			Used
	GE	Functional Group Trailer	M	1			Used
	IEA	Interchange Control Trailer	M	1			Used

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information <u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must use
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information <u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code)	M	ID	2/2	Must use
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element CARRIER SCAC CODE	M	AN	15/15	Must use
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code)	M	ID	2/2	Must use
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them SCAC KLSA	M	AN	15/15	Must use
ISA09	I08	Interchange Date	M	DT	6/6	Must

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
		Description: Date of the interchange				use						
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use						
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use						
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00401</td> <td></td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	00401		M	ID	5/5	Must use		
<u>Code</u>	<u>Name</u>											
00401												
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	NO	9/9	Must use						
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>NONE</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	0	NONE	M	ID	1/1	Must use		
<u>Code</u>	<u>Name</u>											
0	NONE											
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production Data</td> </tr> <tr> <td>T</td> <td>Test Data</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data	M	ID	1/1	Must use
<u>Code</u>	<u>Name</u>											
P	Production Data											
T	Test Data											
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use						

Use Case:

- The Element Separator is an "*" hex code (2A)
- The Component/Sub-element separator is an ":" hex code (3A)
- The Segment terminator/New Line feed is a "_" hex code (15)

To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets <u>Code</u> <u>Name</u> QM Transportation Carrier Shipment Status Message (214)	M	ID	2/2	Must use
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners <i>CARRIER SCAC CODE</i>	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners <i>RECEIVER SCAC CODE</i>	M	AN	2/15	Must use
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	NO	1/9	Must use
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code</u> <u>Name</u> X Accredited Standards Committee X12	M	ID	1/2	Must use
GS08	480	Version / Release / Industry Identifier Code <u>Code</u> <u>Name</u> 004010	M	AN	1/12	Must use

Semantic Notes:

- GS04 is the group date.
- GS05 is the group time.
- The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code</u> <u>Name</u> 214 Transportation Carrier Shipment Status Message	M	ID	3/3	Must use
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Semantic Notes:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 214 selects the Transportation Carrier Shipment Status Message).

B10

Beginning Segment for Transportation Carrier Shipment Status Message

Pos: 020 Max: 1
Heading - Mandatory
Loop: N/A Elements: 3

To transmit identifying numbers and other basic data relating to the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B1001	127	Reference Identification Description: Carrier's Pro Number	M	AN	1/30	Must use
B1002	145	Shipment Identification Number Description: Shipper's Pro Number	O	AN	1/30	Used
B1003	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code <i>CARRIER SCAC CODE</i>	M	ID	2/4	Used

Semantic Notes:

1. B1001 is the carrier assigned reference number.

Use Case:

1. B1001 is the carrier's PRO that identifies the shipment.
3. B1003 is required when used in Transaction Set 214.

L11

Business Instructions and Reference Number

Pos: 030	Max: 300
Heading - Optional	
Loop: N/A	Elements: 2

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification This element is used to specify the data needed to uniquely identify the shipment.	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier <u>Code</u> <u>NAME</u> 2I Tracking Number CR Customer Reference Number	X	ID	2/3	Used

Syntax Notes:

1. If either L1101 or L1102 is present, then the other is required

N1

Name

Pos: 050	Max: 1
Heading - Mandatory	
Loop: 0100	Elements: 2

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>OT</td><td>Origin Terminal</td></tr><tr><td>DT</td><td>Destination Terminal</td></tr><tr><td>TR</td><td>Terminal</td></tr><tr><td>N5</td><td>Party Who Signed the Delivery Receipt POD</td></tr><tr><td>EY</td><td>Employee Name</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	OT	Origin Terminal	DT	Destination Terminal	TR	Terminal	N5	Party Who Signed the Delivery Receipt POD	EY	Employee Name	M	ID	2/3	Must use
<u>Code</u>	<u>Name</u>																	
OT	Origin Terminal																	
DT	Destination Terminal																	
TR	Terminal																	
N5	Party Who Signed the Delivery Receipt POD																	
EY	Employee Name																	
N102	93	Name Description: Free-form name	M	AN	1/60	Used												

Comment Notes:

When using codes OT/DT/TR supply the standard airport code where the status occurred. One airport terminal is required for each status message.

To specify the latest ETA information available.
 This segment will be sent with all status messages,
 except A1 – Arrived at Delivery Location and D1-Completed Unloading at Delivery Location.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
G6201	432	Date Qualifier Description: Code specifying type of date <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>17</td> <td>Estimated Delivery Date</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	17	Estimated Delivery Date	X	ID	2/2	Used
<u>Code</u>	<u>Name</u>									
17	Estimated Delivery Date									
G6202	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used				
G6203	176	Time Qualifier Description: Code specifying type of date <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Scheduled Delivery Time</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	X	Scheduled Delivery Time	X	ID	1/2	Used
<u>Code</u>	<u>Name</u>									
X	Scheduled Delivery Time									
G6204	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)	X	TM	4/4	Used				

Syntax Notes:

- 01 R0103 – At least one of G6201 or G6203 is required.
- 01 P0102 – If either G6201 or G6202 is present, then the other is required.
- 03 P0304 – If either G6203 or G6204 is present, then the other is required.

LX

Assigned Number

Pos: 130	Max: 1
Detail - Mandatory	
Loop: 0200	Elements: 1

To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number Description: Number assigned for differentiation within a transaction set	M	NO	1/6	Must use

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT701	1650	Shipment Status Code Description: Code indicating the status of a shipment <u>Code</u> <u>Name</u> X3 Arrived At Pickup Location AF Carrier Departed Pickup Location with Shipment P1 Departed Terminal Location X4 Arrived at Terminal Location X1 Arrived at Delivery Location D1 Completed Unloading at Delivery Location	M	ID	2/2	Must use
AT702	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted <u>Code</u> <u>Name</u> NS Normal Status	X	ID	2/2	Used
AT703	1652	Shipment Appointment Status Code Description: Code indicating the status of an appointment to pick-up or deliver a shipment	X	ID	2/2	Not Used
AT704	1651	Shipment Status or Appointment Reason Code Description: Code indicating the reason a shipment status or appointment reason was transmitted	X	ID	2/2	Not Used
AT705	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Used
AT706	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59)	M	TM	4/8	Used
AT707	623	Time Code Description: Code identifying the time. <u>Code</u> <u>Name</u> CT Central Time ET Eastern time PT Pacific Time LT Local Time	O/Z	ID	2/2	Used

Syntax Notes:

- 01. E0103 – Only one of AT701 or AT703 may be present.
- 01. P0102 – If either AT701 or AT702 is present, then the other is required.
- 03. P0304 – If either AT703 or AT704 is present, then the other is required.
- 06. C0605 – If AT706 is present, then AT705 is required.
- 07. C0706 – If AT707 is present, then AT706 is required.

L11

Business Instructions and Reference Number

Pos: 150	Max: 10
Detail - Optional	
Loop: 0200	Elements: 2

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification This element is used to specify the data needed to uniquely identify the shipment.	X	AN	1/30	Used
L1102	128	Reference Identification Qualifier <u>Code NAME</u> MA Ship Notice/Manifest Number	X	ID	2/3	Used

Syntax Notes:

1. If either L1101 or L1102 is present, then the other is required

Q7

Lading Exception Code

Pos: 160	Max: 10
Detail - Optional	
Loop: 0200	Elements: 3

To specify the status of the shipment in terms of lading exception information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Q701	33	Lading Exception Code Description: Code indicating the condition of the shipment <u>Code NAME</u> P Partial Shipment	M	ID	1/1	Used
Q702	211	Packaging Form Code Description: Code for packaging form of the lading quantity <u>Code NAME</u> PCS Pieces	O	ID	3/3	Used
Q703	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	X	NO	1/7	Used

Syntax Notes:

02 C0203 – If Q702 is present, then Q703 is required.

AT8

Shipment Weight, Packaging and Quantity Data

Pos: 200	Max: 10
Detail - Optional	
Loop: 0200	Elements: 5

To specify shipment details in terms of weight, and quantity of handling units.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
AT801	187	Weight Qualifier Description: Code defining the type of weight	X	ID	1/2	Used								
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>G</td><td>Gross Weight</td></tr><tr><td>A1</td><td>Dimensional Weight</td></tr><tr><td>A2</td><td>Reweighed by Carrier</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	G	Gross Weight	A1	Dimensional Weight	A2	Reweighed by Carrier				
<u>Code</u>	<u>Name</u>													
G	Gross Weight													
A1	Dimensional Weight													
A2	Reweighed by Carrier													
AT802	188	Weight Unit Code Description: Code specifying the weight unit	X	ID	1/1	Used								
		<table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>L</td><td>Pounds</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	L	Pounds								
<u>Code</u>	<u>Name</u>													
L	Pounds													
AT803	81	Weight Description: Numeric value of weight	X	R	1/10	Used								
AT804	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O/Z	NO	1/7	Not Used								
AT805	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O/Z	NO	1/7	Used								

Syntax Notes:

01 P010203 – If either AT801, AT802 or AT803 are present, then the others are required

Use Note:

- 04 AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
- 05 AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

SE

Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use

Example

Version 4010 EDI 214

Following are examples of typical status messages.

